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**FROM:** Thomas Chan**DATE:** April 2, 2008

<b>Number of pages with cover page:</b>	<b>7</b>	<b>Originals Will Not Follow</b>
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Preparer of this slip has confirmed that facsimile number given is correct: 00001/tcc1**Comments:**

Attorney Docket No.: 188122001900

Group Art Unit: 2123

Examiner: A. Pierre-Louis

Application No.: 10/713,754

Filing Date: November 13, 2003

Inventor(s): Bruce W. MCGAUGHY et al.

Title: SYSTEM AND METHOD FOR COMMUNICATING SIMULATION SOLUTIONS  
BETWEEN CIRCUIT COMPONENTS IN A HIERARCHICAL DATA STRUCTUREPapers enclosed:

PTO/SB/21 (1 page), PTO/SB/82 (1 page), Statement Under 3.73(b) (2 page), Assignment (2 pages)

\*\*\*\*\*

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SJ-0000023

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PTO/SB/21 (01-08)

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**TRANSMITTAL  
FORM**

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

8

Application Number

10/713,754

Filing Date

November 13, 2003

First Named Inventor

Bruce W. MCGAUGHY

Art Unit

2123

Examiner Name

A. Pierre-Louis

Attorney Docket Number

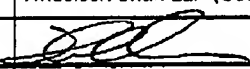
188122001800

**ENCLOSURES**

(Check all that apply)


<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance Communication to TC
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment/Reply	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input checked="" type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Terminal Disclaimer	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Request for Refund	Form PTO/SB/96
<input type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> CD, Number of CD(s) _____	Statement Under 3.73(b)
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> Landscape Table on CD	Assignment
<input type="checkbox"/> Reply to Missing Parts/Incomplete Application	Remarks	
<input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53		

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm Name	Wheelock Chan LLP (Customer No. 76805)		
Signature			
Printed name	Thomas Chan		
Date	April 2, 2008	Reg. No.	51,543

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I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:

Signature			
Typed or printed name	Thomas Chan	Date	April 2, 2008

This collection of information is required by 37 CFR 1.6. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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**REVOCATION OF POWER OF  
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NEW POWER OF ATTORNEY  
AND  
CHANGE OF CORRESPONDENCE ADDRESS**

Application Number	10/713,754
Filing Date	November 13, 2003
First Named Inventor	Bruce W. MCGAUGHY
Art Unit	2123
Examiner Name	A. Pierre-Louis
Attorney Docket Number	188122001800

I hereby revoke all previous powers of attorney given in the above-identified application.

☐ A Power of Attorney is submitted herewith.

OR

☒ I hereby appoint the practitioners associated with the Customer Number:

76805

☒ Please change the correspondence address for the above-identified application to:☒ The address associated with  
Customer Number:

76805

OR

☐ Firm or  
Individual Name

Address

City

State

Zip

Country

Telephone

Email

I am the:

☐ Applicant/Inventor.☒ Assignee of record of the entire interest. See 37 CFR 3.71.  
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96)**SIGNATURE of Applicant or Assignee of Record**

Signature

Name

Michael J. Williams

Date

2-22-08

Telephone

(408) 894-2430

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below.

☒ \*Total of 1 forms are submitted.

This collection of information is required by 37 CFR 1.38. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1460, Alexandria, VA 22313-1460.

If you need assistance in completing the form, call 1-800-PTO-0199 and select option 2.

## POWER OF ATTORNEY

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: McGaughy et al.

Confirmation No.: to be assigned

Serial No.: to be assigned

Art Unit: to be assigned

Filed: herewith

Examiner: to be assigned

For: SYSTEM AND METHOD FOR  
COMMUNICATING SIMULATION  
SOLUTIONS BETWEEN CIRCUIT  
COMPONENTS IN A HIERARCHICAL  
DATA STRUCTURE

Attorney Docket No.: 10585-018-999

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POWER OF ATTORNEY BY ASSIGNEE  
AND EXCLUSION OF INVENTOR(S) UNDER 37 C.F.R. 3.71  
WITH STATEMENT UNDER 37 C.F.R. 3.73(b)

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

The undersigned assignee of the entire interest in the above-identified subject application hereby appoints Berj A. Terzian (Reg. No. 20060), David Weild, III (Reg. No. 21094), Barry D. Rein (Reg. No. 22411), Philip T. Shannon (Reg. No. 24278), Francis E. Morris (Reg. No. 24615), Gidon D. Stern (Reg. No. 27469), John J. Lauter, Jr. (Reg. No. 27814), Brian M. Poissant (Reg. No. 28462), Rory J. Radding (Reg. No. 28749), Donald J. Goodell (Reg. No. 19766), Thomas E. Friebe (Reg. No. 29258), Laura A. Coruzzi (Reg. No. 30742), Geraldine F. Baldwin (Reg. No. 31232), Victor N. Balancia (Reg. No. 31231), Samuel B. Abrams (Reg. No. 30605), Adriane M. Antler (Reg. No. 32605), Thomas G. Rowan (Reg. No. 34419), James G. Markey (Reg. No. 31636), Thomas D. Kohler (Reg. No. 32797), Scott D. Stimpson (Reg. No. 33607), Gary S. Williams (Reg. No. 31066), Ann L. Gisolfi (Reg. No. 31956), Kelly D. Talcott (Reg. No. 39582), Francis D. Cerrito (Reg. No. 38100), Anthony M. Insogna (Reg. No. 35203), Brian M. Rothery (Reg. No. 35340), Brian D. Siff (Reg. No. 35679), Michael J. Lyons (Reg. No. 37386), Nikolaos C. George (Reg. No. 39201), Stephen S. Rabinowitz (Reg. No. 40286), Ognjan V. Shentov (Reg. No. 38051), Kenneth L. Stein (Reg. No. 38704), Andrew J. Gray (Reg. No. 41796), Henry C. Lebowitz (Reg. No. 36196), Leo Merken (Reg. No. 41192), Margaret B. Brivanlou (Reg. No. 40922), David R. Owens (Reg. No. 40756), Matthew E. Langer (Reg. No. 36343), Karen G. Horowitz (Reg. No. 35199), T. Christopher Tsang (Reg. No. 40258), and Carl P. Bretscher (Reg. No. 41635), all of Pennie & Edmonds LLP, whose addresses are 1155 Avenue of the Americas, New York, New York 10036, 1667 K Street N.W., Washington, DC 20006 and 3300 Hillview Avenue, Palo Alto, CA 94304, all of Pennie & Edmonds LLP (PTO Customer No. 20583), as its attorneys to prosecute this application and to transact all business in the United States Patent and Trademark Office connected therewith, said appointment to be to the exclusion of the inventors and their attorney(s) in accordance with the provisions of 37 C.F.R. 3.71, provided that, if any one of these attorneys ceases being affiliated with the law firm of Pennie & Edmonds LLP as partner, counsel, or employee, then the appointment of that attorney and all powers derived therefrom shall terminate on the date such attorney ceases being so affiliated.

Please direct all correspondence for this application to customer no. 24341.

I am the:

☐  
☒

Applicant/Inventor

Assignee of record of the entire interest. See 37 CFR 3.71.  
(Statement under 37 CFR 3.73(b) is applicable)

- 1 -

CA1: 357211.1

## Statement Under 37 C.F.R. 3.73(b)

Cadence Design Systems, Inc. states that it is:

- ☒ the assignee of the entire right, title, and interest; or  
☐ an assignee of less than the entire right, title and interest.  
The extent (by, percentage) of its ownership interest is %

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in the patent application/patent identified above by virtue of either:

- ☐ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office on at Reel , Frame , or for which a copy thereof is attached.

OR

- ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: To:  
The document was recorded in the United States Patent and Trademark Office on at Reel , Frame , or for which a copy thereof is attached.

2. From: To:  
The document was recorded in the United States Patent and Trademark Office on at Reel , Frame , or for which a copy thereof is attached.

3. From: To:  
The document was recorded in the United States Patent and Trademark Office on at Reel , Frame , or for which a copy thereof is attached.

- ☐ Additional documents in the chain of title are listed on a supplemental sheet.

- ☐ Copies of assignments of other documents in the chain of title are attached.  
[Note: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

ASSIGNEE: CADENCE DESIGN SYSTEMS, INC.

Date:

11-12-03

Signature:

Michael J. Williams

Typed Name:

Michael J. Williams

Position/Title:

Vice President &amp; Associate General Counsel

Address:

2655 Seely Avenue  
San Jose, CA 95134

## ASSIGNMENT

WHEREAS, WE, BRUCE W. MCGAUGHY, JUN KONG, PETER FREY, and JAIDEEP MUHKERJEE, ASSIGNORS, citizens of the United States, the People's Republic of China, Germany and the United States, respectively, residing at 240 Yerba Buena Place, Fremont, California 94536; 750 N. King Rd., San Jose, California 95133; 401 W. Sunnyoaks Avenue, Campbell, California 95008, and 831 Sheila Court, Mountain View, California 94043, respectively, are the inventors of the invention in SYSTEM AND METHOD FOR COMMUNICATING SIMULATION SOLUTIONS BETWEEN CIRCUIT COMPONENTS IN A HIERARCHICAL DATA STRUCTURE for which we have executed an application for a Patent of the United States

- ☒ which is executed on ☒ even date herewith or ☐  
☒ which is identified by Pennie & Edmonds LLP docket no. 10585-018-999  
☐ which was filed on , Application No.  
☒ We hereby authorize and request our attorney, Thomas D. Kohler, of Pennie & Edmonds, LLP, to insert here in parentheses (Application number, \_\_\_\_\_ filed \_\_\_\_\_) the filing date and application number of said application when known.

and WHEREAS, CADENCE DESIGN SYSTEMS, INC., 2655 Seely Avenue, San Jose, California 95134, ASSIGNEE is desirous of obtaining our entire right, title and interest in, to and under the said invention and the said application:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to us in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the said ASSIGNORS, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, our entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof.

AND WE HEREBY authorize and request the Commissioner of Patents and Trademarks of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith.

AND WE HEREBY further covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.

IN TESTIMONY WHEREOF, We hereunto set our hands and seals the day and year set opposite our respective signatures.

Date 10-27-03, 2003

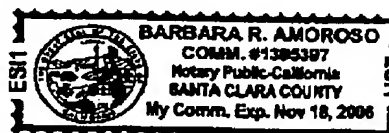
State of CA )  
County of SANTA CLARA ) SS.:

Bruce W. McGaughy  
BRUCE W. MCGAUGHY

On OCTOBER 27, 2003, before me, BARBARA AMOROSO, Notary Public, personally appeared Bruce W. McGaughy, personally known to me on the basis of satisfactory evidence to be the person(s) whose name(s) is subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal

Barbara R Amoroso



Date 10-24-2003, 2003

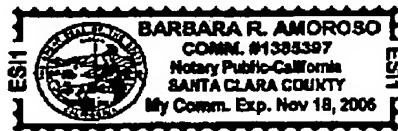
JUN KONG

L.S.

State of CA )  
County of SANTA CLARA ) SS.:

On OCTOBER 24, 2003, before me, BARBARA AMOROSO Notary Public, personally appeared Jun Kong, personally known to me on the basis of satisfactory evidence to be the person(s) whose name(s) is subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal

Barbara R. AmorosoDate 10-24-2003, 2003

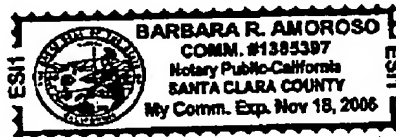
PETER FREY

L.S.

State of CA )  
County of SANTA CLARA ) SS.:

On OCTOBER 24, 2003, before me, BARBARA AMOROSO Notary Public, personally appeared Peter Frey, personally known to me on the basis of satisfactory evidence to be the person(s) whose name(s) is subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal

Barbara R. AmorosoDate 10-24-2003, 2003

JAIDEEP MUKHERJEE

L.S.

State of CA )  
County of SANTA CLARA ) SS.:

On OCTOBER 24, 2003, before me, BARBARA AMOROSO Notary Public, personally appeared Jaidoop Mukherjee, personally known to me on the basis of satisfactory evidence to be the person(s) whose name(s) is subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal

Barbara R. Amoroso